

Configuration

Actuation and operating travel (angle) for enclosure width 31 mm and 50 mm

Operation by bar (standard)		Slow-action contacts		Snap-action contacts		
○ Operating point acc. to EN 50047 (snap-action) * Operating point on return (snap-action) ** Positive opening $\Rightarrow$ acc. to EN 60947-5-1 $\rightarrow$ Direction of operation $v_{\max}$ Max. actuating speed Contact closed Contact open Return travel		22 14 21 13 NSCO_00769 Ident. No. 11 22 32 14 21 31 13 NSCO_00770 Ident. No. 12		14 22 13 21 NSCO_00767 Ident. No. 11 14 32 22 13 31 21 NSCO_00768 Ident. No. 12		
Rounded plungers, type B		Actuation along plunger axis		Actuation along plunger axis		
0 7 7.7 NSCO_00876 $v_{\max} = 1 \text{ m/s}$ Minimum force required in direction of operation: 18 N		21-22 ** 13-14 0 2.8 3.0 3.4 5.5 NSCO_00831 21-22 ** 31-32 ** 13-14 0 2.7 3.0 3.5 5.5 NSCO_00833		13-14 21-22 ** 0 1.1 2.3 3.5 5.5 NSCO_00832 13-14 21-22 ** 0 0.5 1.5 3.5 6.0 NSCO_00835 Short stroke 13-14 21-22 ** 0 0.8 2.8 3.5 6.0 NSCO_00836 Switching interval 2 x 2 mm		13-14 31-32 ** 21-22 ** 0 1.0 2.5 4.0 5.5 NSCO_00834
Roller plungers		Actuation along plunger axis		Actuation along plunger axis		
0 10 18 NSCO_00877 $v_{\max} = 1 \text{ m/s}$ Minimum force required in direction of operation: 18 N 0 10 42.4 NSCO_00881		21-22 ** 13-14 0 2.8 3.0 3.4 5.5 NSCO_00831 21-22 ** 31-32 ** 13-14 0 2.7 3.0 3.5 5.5 NSCO_00833		13-14 21-22 ** 0 1.1 2.3 3.5 5.5 NSCO_00832 13-14 21-22 ** 0 0.5 1.5 3.5 6.0 NSCO_00835 Short stroke 13-14 21-22 ** 0 0.8 2.8 3.5 6.0 NSCO_00836 Switching interval 2 x 2 mm		13-14 31-32 ** 21-22 ** 0 1.0 2.5 4.0 5.5 NSCO_00834
Angular roller levers		Actuation along plunger axis		Actuation along plunger axis		
0 30.4 13 22.5 30° NSCO_00886 $v_{\max} = 1 \text{ m/s}$ Minimum force required in direction of operation: 9 N		14.8 14.2 13.5 0 21-22 ** 13-14 0 NSCO_00857 14.2 13.6 13.0 0 21-22 ** 31-32 ** 13-14 0 NSCO_00859		12.5 11.9 11.0 0 13-14 21-22 ** 0 NSCO_00858 13.8 13.0 12.2 0 13-14 31-32 ** 21-22 ** 0 NSCO_00860		

3SE5, 3SE2, 3SE3 Position Switches

3SE5, plastic and metal enclosures

Operation by bar (standard)

- ⊙ Operating point acc. to EN 50047 (snap-action)
- * Operating point on return (snap-action)
- ** Positive opening ⊙ acc. to EN 60947-5-1
- Direction of operation
- $v_{\max}$ Max. actuating speed

Slow-action contacts

- Contact closed
- Contact open

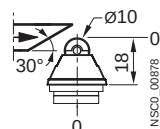
Snap-action contacts

- Contact closed
- Contact open
- Return travel

Roller plungers

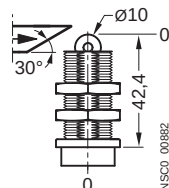
Form C

3SE5 232-...D03,
3SE5 242-...D03



Central fixing

3SE5 232-...D10,
3SE5 242-...D10

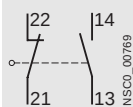


$v_{\max} = 1 \text{ m/s}$

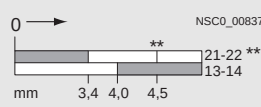
Minimum force required
in direction of operation: 18 N

Lateral actuation

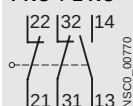
1 NO + 1 NC



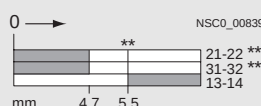
Ident. No. 11



1 NO + 2 NC

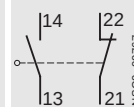


Ident. No. 12

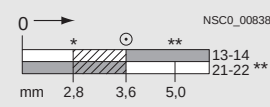


Lateral actuation

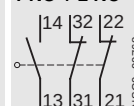
1 NO + 1 NC



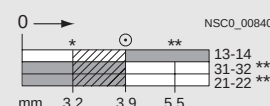
Ident. No. 11



1 NO + 2 NC

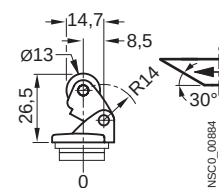


Ident. No. 12



Roller levers, type E

3SE5 232-...E10,
3SE5 242-...E10

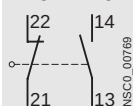


$v_{\max} = 1 \text{ m/s}$

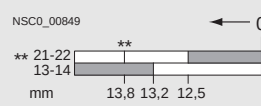
Minimum force required
in direction of operation: 9 N

Lateral actuation

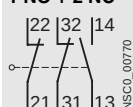
1 NO + 1 NC



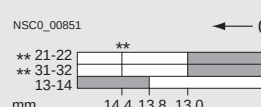
Ident. No. 11



1 NO + 2 NC

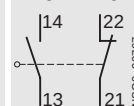


Ident. No. 12

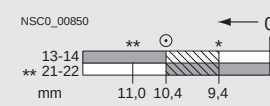


Lateral actuation

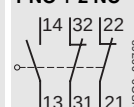
1 NO + 1 NC



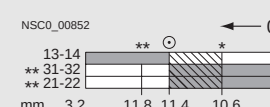
Ident. No. 11



1 NO + 2 NC

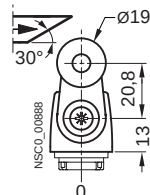


Ident. No. 12



Twist levers, type A

3SE5 232-...K21,
3SE5 242-...K21



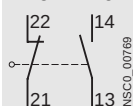
Adjustment of the lever in increments of 10°.
Maximum deflection 90°

$v_{\max} = 1.5 \text{ m/s}$

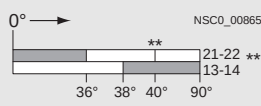
Minimum torque
in direction of operation: 0.25 Nm

Lateral actuation

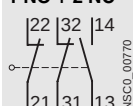
1 NO + 1 NC



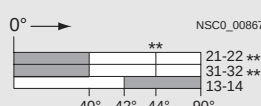
Ident. No. 11



1 NO + 2 NC

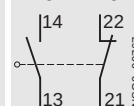


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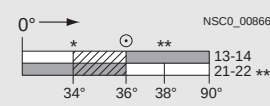


Lateral actuation

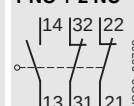
1 NO + 1 NC



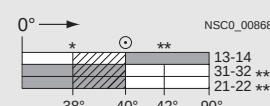
Ident. No. 11



1 NO + 2 NC



Ident. No. 12



3SE5, 3SE2, 3SE3 Position Switches

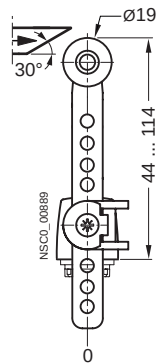
3SE5, plastic and metal enclosures

Operation by bar (standard)

- Operating point acc. to EN 50041/47 (snap-action)
- * Operating point on return (snap-action)
- ** Positive opening acc. to EN 60947-5-1
- Direction of operation
- v_{max} Max. actuating speed

Twist levers, adjustable length

3SE5 232...K60, 3SE5 242...K60

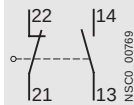


Adjustment of the lever in increments of 10°.
Maximum deflection 90°
 $v_{max} = 1.5 \text{ m/s}$
Minimum torque in direction of operation: 0.25 Nm

Slow-action contacts

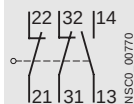
- Contact closed
- Contact open

1 NO + 1 NC



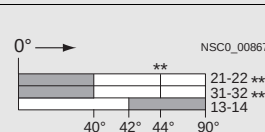
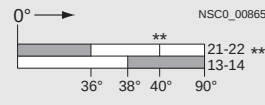
Ident. No. 11

1 NO + 2 NC



Ident. No. 12

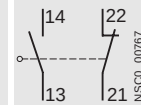
Lateral actuation



Snap-action contacts

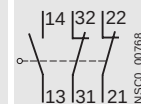
- Contact closed
- Contact open
- ▨ Return travel

1 NO + 1 NC



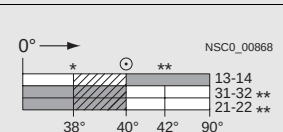
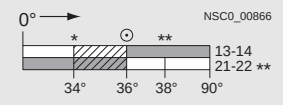
Ident. No. 11

1 NO + 2 NC



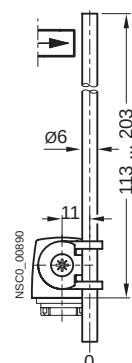
Ident. No. 12

Lateral actuation



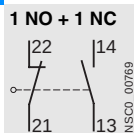
Rod actuators, type D

3SE5 232...K80, 3SE5 242...K80



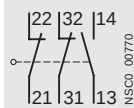
Adjustment of the lever in increments of 10°.
Maximum deflection 90°
 $v_{max} = 1.5 \text{ m/s}$
Minimum torque in direction of operation: 0.25 Nm

1 NO + 1 NC



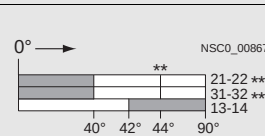
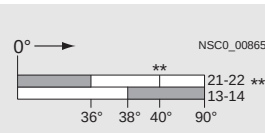
Ident. No. 11

1 NO + 2 NC

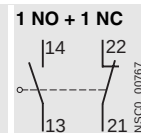


Ident. No. 12

Deflection in direction of rotation

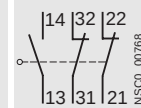


1 NO + 1 NC



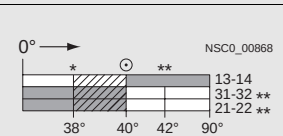
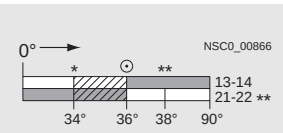
Ident. No. 11

1 NO + 2 NC



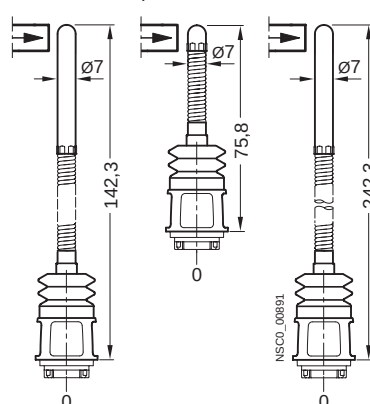
Ident. No. 12

Deflection in direction of rotation



Spring rods

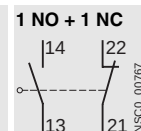
3SE5 232...R01, 3SE5 242...R01



$v_{max} = 1 \text{ m/s}$
Minimum force required in direction of operation: 9 N

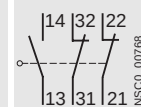
The spring rods can be used only with snap-action contacts.

1 NO + 1 NC



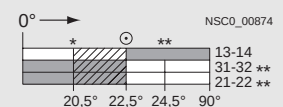
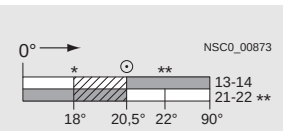
Ident. No. 11

1 NO + 2 NC



Ident. No. 12

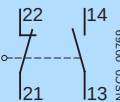
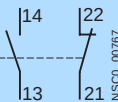
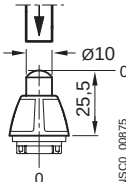
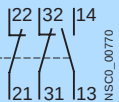
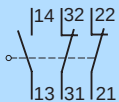
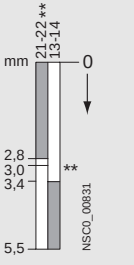
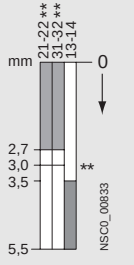
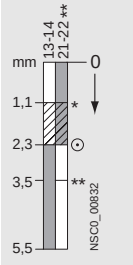
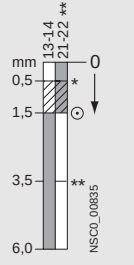
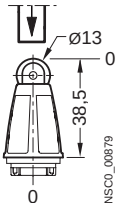
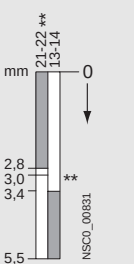
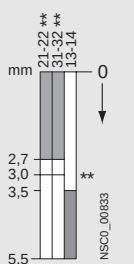
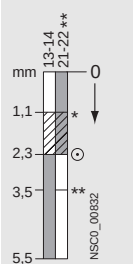
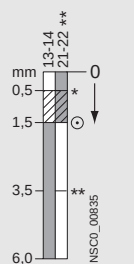
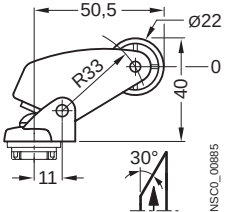
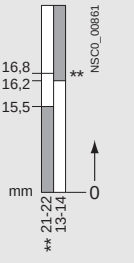
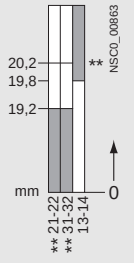
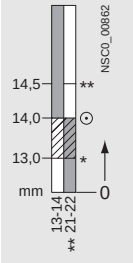
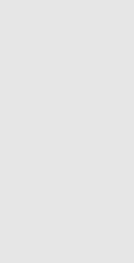
Deflection of spring rod



3SE5, 3SE2, 3SE3 Position Switches

3SE5, plastic and metal enclosures

Actuation and operating travel (angle) for enclosure width 40 mm and 56 mm

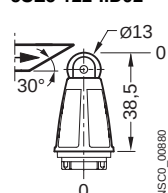
Operation by bar (standard)		Slow-action contacts		Snap-action contacts	
- Operating point acc. to EN 50041 (snap-action) - Operating point on return (snap-action) - Positive opening  acc. to EN 60947-5-1 - Direction of operation - Max. actuating speed		1 NO + 1 NC  Ident. No. 11		1 NO + 1 NC  Ident. No. 11	
3SE5 112-..C02, 3SE5 122-..C02  $v_{max} = 1.5 \text{ m/s}$ Minimum force required in direction of operation: 18 N		1 NO + 2 NC  Ident. No. 12		1 NO + 2 NC  Ident. No. 12	
Rounded plungers, type B		Actuation along plunger axis		Actuation along plunger axis	
					
		Short stroke Switching interval $2 \times 2 \text{ mm}$			
Roller plungers, type C		Actuation along plunger axis		Actuation along plunger axis	
3SE5 112-..D02, 3SE5 122-..D02  $v_{max} = 1 \text{ m/s}$ Minimum force required in direction of operation: 18 N					
		Short stroke Switching interval $2 \times 2 \text{ mm}$			
Angular roller levers		Actuation along plunger axis		Actuation along plunger axis	
3SE5 112-..F01, 3SE5 122-..F01  $v_{max} = 2.5 \text{ m/s}$ Minimum force required in direction of operation: 9 N					

Operation by bar (standard)

- Operating point acc. to EN 50041 (snap-action)
- * Operating point on return (snap-action)
- ** Positive opening acc. to EN 60947-5-1
- Direction of operation
- v_{max} Max. actuating speed

Roller plungers, type C

**3SE5 112-...D02,
3SE5 122-...D02**

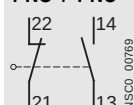


$v_{max} = 1$ m/s
Minimum force required
in direction of operation: 18 N

Slow-action contacts

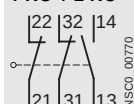
- Contact closed
- Contact open

1 NO + 1 NC



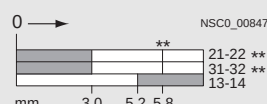
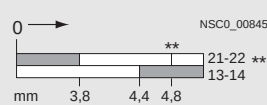
Ident. No. **11**

1 NO + 2 NC



Ident. No. **12**

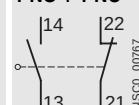
Lateral actuation



Snap-action contacts

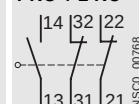
- Contact closed
- Contact open
- ▨ Return travel

1 NO + 1 NC



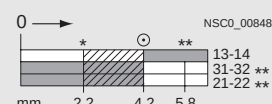
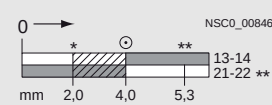
Ident. No. **11**

1 NO + 2 NC



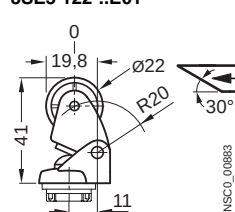
Ident. No. **12**

Lateral actuation



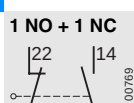
Roller levers

**3SE5 112-...E01,
3SE5 122-...E01**



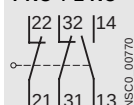
$v_{max} = 2.5$ m/s
Minimum force required
in direction of operation: 9 N

1 NO + 1 NC



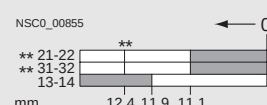
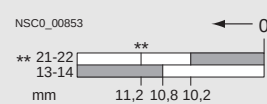
Ident. No. **11**

1 NO + 2 NC

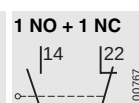


Ident. No. **12**

Lateral actuation

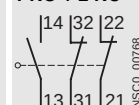


1 NO + 1 NC



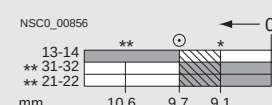
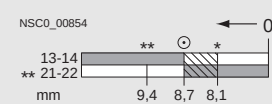
Ident. No. **11**

1 NO + 2 NC



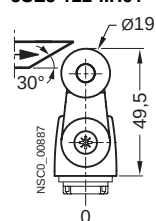
Ident. No. **12**

Lateral actuation



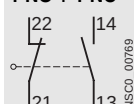
Twist levers, type A

**3SE5 112-...H01,
3SE5 122-...H01**



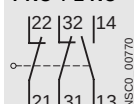
Adjustment of the lever in increments of 10°.
Maximum deflection 90°
 $v_{max} = 1.5$ m/s
Minimum torque
in direction of operation: 0.25 Nm

1 NO + 1 NC



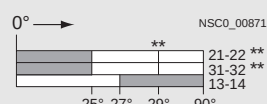
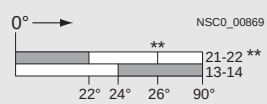
Ident. No. **11**

1 NO + 2 NC



Ident. No. **12**

Lateral actuation

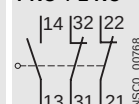


1 NO + 1 NC



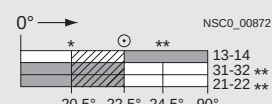
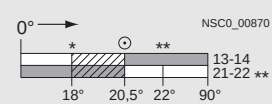
Ident. No. **11**

1 NO + 2 NC



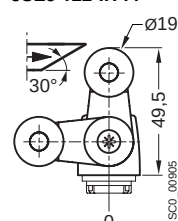
Ident. No. **12**

Lateral actuation



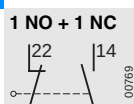
Fork levers

**3SE5 112-...T11,
3SE5 122-...T11**



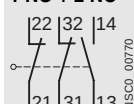
Adjustment of the lever in increments of 10°,
maximum deflection 90°
 $v_{max} = 1.5$ m/s
Minimum torque
in direction of operation: 0.25 Nm

1 NO + 1 NC



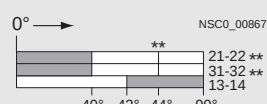
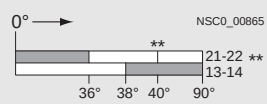
Ident. No. **11**

1 NO + 2 NC

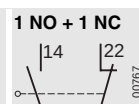


Ident. No. **12**

Lateral actuation

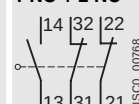


1 NO + 1 NC



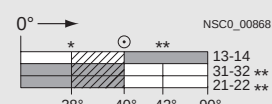
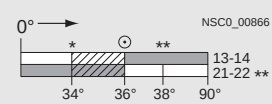
Ident. No. **11**

1 NO + 2 NC



Ident. No. **12**

Lateral actuation



3SE5, 3SE2, 3SE3 Position Switches

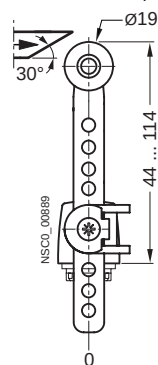
3SE5, plastic and metal enclosures

Operation by bar (standard)

- ⊙ Operating point acc. to EN 50041/47 (snap-action)
- * Operating point on return (snap-action)
- ** Positive opening ⊙ acc. to EN 60947-5-1
- Direction of operation
- v_{max} Max. actuating speed

Twist levers, adjustable length

3SE5 112-..H60, 3SE5 122-..H60



Adjustment of the lever in increments of 10°, maximum deflection 90°

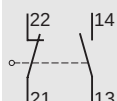
$v_{max} = 1.5 \text{ m/s}$

Minimum torque in direction of operation: 0.25 Nm

Slow-action contacts

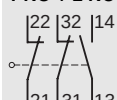
- Contact closed
- Contact open

1 NO + 1 NC



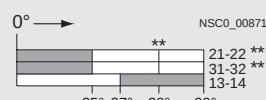
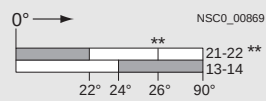
Ident. No. 11

1 NO + 2 NC



Ident. No. 12

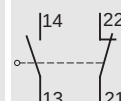
Lateral actuation



Snap-action contacts

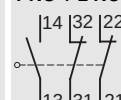
- Contact closed
- Contact open
- Return travel

1 NO + 1 NC



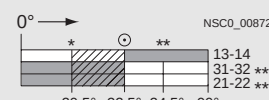
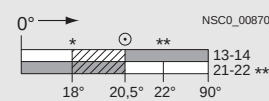
Ident. No. 11

1 NO + 2 NC



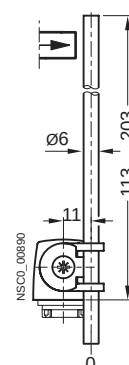
Ident. No. 12

Lateral actuation



Rod actuators, type D

3SE5 112-..H80, 3SE5 122-..H80



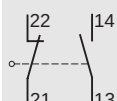
Adjustment of the lever in increments of 10°, maximum deflection 90°

$v_{max} = 1.5 \text{ m/s}$

Minimum torque in direction of operation: 0.25 Nm

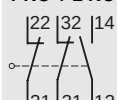
Deflection in direction of rotation

1 NO + 1 NC



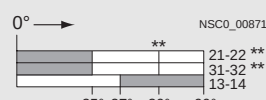
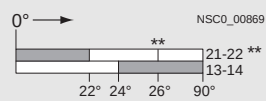
Ident. No. 11

1 NO + 2 NC

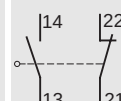


Ident. No. 12

Deflection in direction of rotation

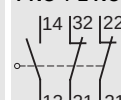


1 NO + 1 NC



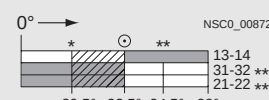
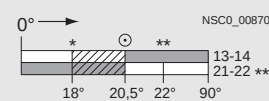
Ident. No. 11

1 NO + 2 NC



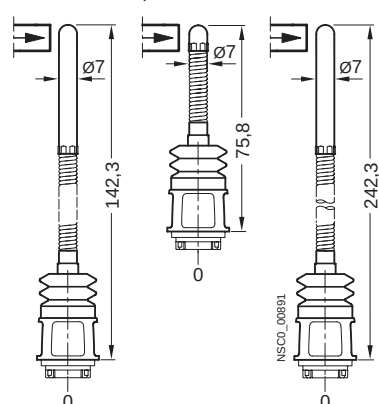
Ident. No. 12

Deflection in direction of rotation



Spring rods

3SE5 112-..R01, 3SE5 122-..R01

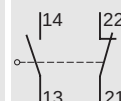


$v_{max} = 1 \text{ m/s}$

Minimum force required in direction of operation: 9 N

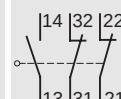
The spring rods can be used only with snap-action contacts.

1 NO + 1 NC



Ident. No. 11

1 NO + 2 NC



Ident. No. 12

Deflection of spring rod

